

#2
0420/0590

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,005

DATE: 02/16/2002
TIME: 15:27:37

Input Set : N:\Crf3\RULE60\10052005.raw
Output Set: N:\CRF3\02152002\J052005.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: CHEN, ZHIJIAN J.
7 (ii) TITLE OF INVENTION: A KINASE CAPABLE OF SITE-SPECIFIC
8 PHOSPHORYLATION OF I B
10 (iii) NUMBER OF SEQUENCES: 8
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
14 (B) STREET: 1100 NEW YORK AVENUE, SUITE 600
15 (C) CITY: WASHINGTON
16 (D) STATE: DC
17 (E) COUNTRY: US
18 (F) ZIP: 20005-3934
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: US/10/052,005
28 (B) FILING DATE: 17-Jan-2002
30 (C) CLASSIFICATION: 435
34 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: US/08/825,559
36 (B) FILING DATE: 19-MAR-1997
37 (A) APPLICATION NUMBER: 08/616,499
38 (B) FILING DATE: 19-MAR-1996
40 (viii) ATTORNEY/AGENT INFORMATION:
41 (A) NAME: BROWN, ANNE
42 (B) REGISTRATION NUMBER: 36,463
43 (C) REFERENCE/DOCKET NUMBER: 1448.0240001
45 (ix) TELECOMMUNICATION INFORMATION:
46 (A) TELEPHONE: (202) 371-2600
47 (B) TELEFAX: (202) 371-2540

ENTERED

50 (2) INFORMATION FOR SEQ ID NO: 1:

52 (i) SEQUENCE CHARACTERISTICS:
53 (A) LENGTH: 36 base pairs
54 (B) TYPE: nucleic acid
55 (C) STRANDEDNESS: single
56 (D) TOPOLOGY: linear
58 (ii) MOLECULE TYPE: cDNA
63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
65 TTGTGACCTC AGGATATCGA GAGCAATACT TCCATT

36

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,005

DATE: 02/16/2002
TIME: 15:27:37

Input Set : N:\Crf3\RULE60\10052005.raw
Output Set: N:\CRF3\02152002\J052005.raw

67 (2) INFORMATION FOR SEQ ID NO: 2:
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 35 base pairs
71 (B) TYPE: nucleic acid
72 (C) STRANDEDNESS: single
73 (D) TOPOLOGY: linear
75 (ii) MOLECULE TYPE: cDNA
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
82 TTGTGACCTC AGGATATCGA GAGAAATACT TCCAT 35
84 (2) INFORMATION FOR SEQ ID NO: 3:
86 (i) SEQUENCE CHARACTERISTICS:
87 (A) LENGTH: 7 amino acids
88 (B) TYPE: amino acid
89 (C) STRANDEDNESS: Not Relevant
90 (D) TOPOLOGY: linear
92 (ii) MOLECULE TYPE: peptide
95 (ix) FEATURE:
96 (A) NAME/KEY: Modified-site
97 (B) LOCATION: 1
98 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
100 (ix) FEATURE:
101 (A) NAME/KEY: Modified-site
102 (B) LOCATION: 5
103 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 108 Xaa Tyr Val Glu Xaa Glu Arg
109 1 5
111 (2) INFORMATION FOR SEQ ID NO: 4:
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 13 amino acids
115 (B) TYPE: amino acid
116 (C) STRANDEDNESS: Not Relevant
117 (D) TOPOLOGY: linear
119 (ii) MOLECULE TYPE: peptide
122 (ix) FEATURE:
123 (A) NAME/KEY: Modified-site
124 (B) LOCATION: 1
125 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
127 (ix) FEATURE:
128 (A) NAME/KEY: Modified-site
129 (B) LOCATION: 2
130 (D) OTHER INFORMATION: /note= "CAN BE GLN OR LYS"
132 (ix) FEATURE:
133 (A) NAME/KEY: Modified-site
134 (B) LOCATION: 5
135 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
137 (ix) FEATURE:
138 (A) NAME/KEY: Modified-site
139 (B) LOCATION: 8

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,005

DATE: 02/16/2002
TIME: 15:27:37

Input Set : N:\Crf3\RULE60\10052005.raw
Output Set: N:\CRF3\02152002\J052005.raw

140 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
142 (ix) FEATURE:
143 (A) NAME/KEY: Modified-site
144 (B) LOCATION: 9
145 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
147 (ix) FEATURE:
148 (A) NAME/KEY: Modified-site
149 (B) LOCATION: 11
150 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 155 Xaa Xaa Glu Val Xaa Glu Thr Xaa Xaa Ser Xaa Glu Lys
156 1 5 10
158 (2) INFORMATION FOR SEQ ID NO: 5:
160 (i) SEQUENCE CHARACTERISTICS:
161 (A) LENGTH: 9 amino acids
162 (B) TYPE: amino acid
163 (C) STRANDEDNESS: Not Relevant
164 (D) TOPOLOGY: linear
166 (ii) MOLECULE TYPE: peptide
169 (ix) FEATURE:
170 (A) NAME/KEY: Modified-site
171 (B) LOCATION: 1
172 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
174 (ix) FEATURE:
175 (A) NAME/KEY: Modified-site
176 (B) LOCATION: 7
177 (D) OTHER INFORMATION: /note= "CAN BE LEU OR ILE"
180 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 182 Xaa Phe Thr Thr Met Glu Xaa Met Arg
183 1 5
185 (2) INFORMATION FOR SEQ ID NO: 6:
187 (i) SEQUENCE CHARACTERISTICS:
188 (A) LENGTH: 10 amino acids
189 (B) TYPE: amino acid
190 (C) STRANDEDNESS: Not Relevant
191 (D) TOPOLOGY: linear
193 (ii) MOLECULE TYPE: peptide
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
200 Thr Tyr His Ala Leu Ser Asn Leu Pro Lys
201 1 5 10
203 (2) INFORMATION FOR SEQ ID NO: 7:
205 (i) SEQUENCE CHARACTERISTICS:
206 (A) LENGTH: 404 base pairs
207 (B) TYPE: nucleic acid
208 (C) STRANDEDNESS: double
209 (D) TOPOLOGY: linear
211 (ii) MOLECULE TYPE: DNA (genomic)
216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
218 GGGTGACGAG TGGTGGCCGA AGCAGGGGGA CAGCAAGGGGA CGCTCAGGCG GGGACCATGG

60

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/052,005

DATE: 02/16/2002
TIME: 15:27:37

Input Set : N:\Crf3\RULE60\10052005.raw
Output Set: N:\CRF3\02152002\J052005.raw

220	CGGACGGCGG	CTCGGAGCGG	GCTGACGGGC	GCATCGTCAA	GATGGAGGTG	GACTACAGCG	120
222	CCACGGTGGG	TCAGCGCCTA	CCCGAGTGTG	CGAAGTATGC	CAAGGAAGGA	AGACTTCAAG	180
224	AAGTCATTGA	AACCCTTCTC	TCTCTGGAAA	AGCAGACTCG	TACTGCTTCC	GATATGGTAT	240
226	CGACATCCCC	TATCTTAGTT	GCAGTAGTGA	AGNTGTGCTA	TGAGGCTAAA	GAATGGGATT	300
228	TACTTAATTA	AAAATATTAT	TGCTTTTGT	CCAAAAGGCG	GAGTCAGTT	AAAAACAAAGC	360
230	TAGTTGACAA	AAAATGGATT	NAACAGTTGC	TGTNACTTAT	TGTT		404
232	(2) INFORMATION FOR SEQ ID NO: 8:						
234	(i) SEQUENCE CHARACTERISTICS:						
235	(A) LENGTH:	323	base pairs				
236	(B) TYPE:	nucleic acid					
237	(C) STRANDEDNESS:	double					
238	(D) TOPOLOGY:	linear					
240	(ii) MOLECULE TYPE:	DNA (genomic)					
245	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:						
247	ATACCAAGAG	GTACCAGGAA	GCATTGCATT	TGGGTTCTCA	GCTGCTGCGG	GAGTTGAAAA	60
249	AGATGGACGA	CAAAGCTCTT	TTGGTGGAAAG	TACAGCTTTT	AGAAAGCAAA	ACATACCATG	120
251	CCCTGAGCAA	CCTGCCGAAA	GCCCGAGCTG	CCTTAACTTC	TTCTCGAAC	ACAGCAAATG	180
253	CCATCTACTG	CCCCCTAAAT	TGCAGGCCAC	CTTGGACATG	CAGTCGGGTA	TTATCCATGC	240
255	AGCAGAAGAG	AAGGCTTGAA	ACTCGTACTC	ATACTTCTAT	GAGGCATTTA	GGGTATGACT	300
257	CATCGACAGC	CCAAGGCATC	ACA				323

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/052,005

DATE: 02/16/2002
TIME: 15:27:38

Input Set : N:\Crf3\RULE60\10052005.raw
Output Set: N:\CRF3\02152002\J052005.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5